"Continuous News Service Since 1881"

# TIP ORI

Random: Of or designating an event having a relative frequency of occurrence that approaches a stable limit as the number of observations of the event increases to infinity, i.e. random.

VOLUME XCIII, NUMBER 8

MIT, CAMBRIDGE, MASSACHUSETTS

TUESDAY, FEBRUARY 13, 1973

FIVE CENTS

#### Dean's visiting comm discusses problems

By Paul Schindler

The MIT Corporation Visiting Committee for the Dean's office met with students, Dean for Student Affairs Carola Eisenberg, her staff, and other MIT officials for two days last week to discuss the problems and accomplishments of that office.

The sessions were held on Friday and Saturday, and included discussions of athletics, housing, admissions and financial aid. The purpose of the visit, and the visiting committee is twofold: to report to the Corporation on developments in the office, and to make recommendations on possible operational changes.

Visiting committees also exist for each department in the Institute, but few range as widely in membership as the Student Affairs Visiting Committee. Departmental committees tend to include mainly professionals in the field; this committee ranges from a graduate student at Princeton to a vice-president of Arthur D. Little (the committee chairman, D. Reid Weedon, Jr.).

Friday morning the group toured Ashdown and Westgate II. In the afternoon, they heard a presentation on admission and financial aid at Pierce Boat House by Director of Financial Aid Jack Frailey, Director of Admissions Peter Richardson, and Vice President for Administration and Personnel John

Wynne. Their first day ended with a dinner at the faculty club where Director of Athletics Ross Smith and Director of Planning O. Robert Simha gave a progress report on the athletic program (the committee reviewed athletics in depth during its visit last year).

Saturday morning, the group met in the Schell Room at the Sloan School to discuss housing. There were a number of MIT administrators present, including Chairman Howard Johnson, President Jerome Wiesner, Chancellor Paul Gray, Vice Presidents Kenneth Wadleigh, John Wynne, Vincent Fulmer, and Philip Stoddard.

The student's method of deciding on a living group was discussed, with one participant noting that this vital decision is made before he has even attended a single class. This was viewed by some as an advantage, and there was general approval of the "quick and dirty" system of R/O week; several members of the committee felt that the system made it difficult for fraternities to be homogenous because there was so little time to assess the pledges.

John Graves of the Committee on Student Environment told the group that there was no longer a sense of strong identity by house; it has been replaced, he said, by floor or entry affinity. This has led, among other (Please turn to page 7)



### Committee views problems

By Jonathan Weker

(This is the first of two articles on the MIT-Wellesley Exchange, —Editor)

The Joint Committee on the Wellesley-MIT exchange has drafted a report in which it recommends the continuation of the cross-registration program between the two schools as an ongoing arrangement, to be periodically reviewed.

The report, which also calls for the reinitiation of the residence exchange "on a suitably limited basis," will be brought before the Committee on Educational Policy (CEP) and its Wellesley counterpart, the Academic

Council, later this month. Both groups, as well as the faculties of both schools, must approve the report in order for the exchange to be instituted as a regular program.

"I think there's a favorable feeling towards it," remarked Robert Garis, acting Dean of Wellesley College and co-chairman of the Joint Committee. The same sentiment was expressed by the other co-chairman of the Committee, Robert Alberty, Dean of the School of Science at MIT.

The Joint Committee concluded in the report that the exchange, which had been initiated in the fall of 1968 as a five-year experiment, has "increased the diversity of educational experiences and environment available to students at both institutions and should no longer be considered an experiment, but a regular part of the programs of both institutions."

The report also recommended the development of new educational activities to be conducted jointly by the two schools. Specifically, the report pointed out that "there has been little contact between the faculties at the points where change was taking place most rapidly in curricular innovation and experimental programs."

Under the auspices of the exchange, students at MIT and Wellesley may enroll in courses at the other institution. The exchange has grown from the eighty students from each school who were allowed to participate in the first semester of the exchange in the fall of 1968 to where it now involves over 400 students a term.

Established at the time of the inception of the exchange, the Joint Committee has overseen the exchange, reporting to both MIT and Wellesley College.

(Please turn to page 2)

### Fairchild gives grant for new EE buildings

By Wendy Peikes

The Electrical Engineering and Research Laboratory of Electronics Building, now under construction between Buildings 24 and 26, will be named the Sherman Fairchild Building. The announcement was made by Chairman of the MIT Corporation, Howard Johnson, following the Fairchild Foundation's awarding MIT a \$4 million grant for the completion of the structure and adjacent tunnels.

The building will be named in memorial of the late Sherman Fairchild, founder and chairman of the Board of Fairchild Camera and Instrument Corporation and Fairchild Industries. Son of the late George W. Fairchild, one of the founders of IBM, the younger Fairchild served as their director for more than 44 years. His primary interests were photography, aviation, audio systems, and electronics.

The May 14, 1972 issue of The Tech priced the construction of the building at \$11 million. On September 22, 1972, in a subsequent article in The Tech, the cost was put in the vicinity of \$14 million. At that time, the administration had placed a ceiling on overall cost at \$14.5

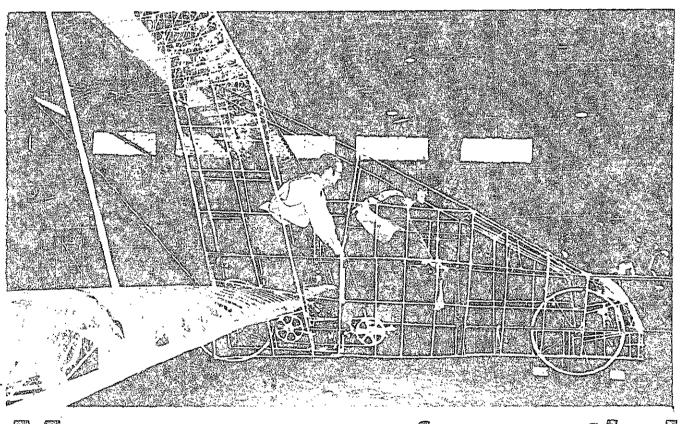
million. Present estimates set the figure at \$17.5 million.

The structure will consist of two elements, one eight stories and one six stories, numbered respectively Buildings 36 and 38. Facilities will include classrooms, laboratories, offices, instrument rooms, and mechanical and electronic shops.

The west building (38) will house the EE Department head-quarters, half of the teaching assistants, and many non-research associated faculty. The east building (36) will contain the RLE.

The complex will contain eight classrooms, 63,000 feet of lab space, 53,000 feet of office space, shops and commons facilities. There will be "classroom clusters," each containing a pair of classrooms, plus an adjacent study and office area. Faculty offices will be placed around secretarial areas, allowing one secretary to assist several professors.

The two buildings will be connected by corridors in the basement, as well as on six above-ground levels. At present, there is no tunnel connecting Building 26 to 36. However, completion of one is expected soon



## Man-power craft unveilec

By Norman D. Sandler

The gloomy Saturday morning skies did not deter them. Ine inventors had spent the entire night preparing their creation, just as their predecessors, the Wright Brothers, had done seventy years before.

Now, however, after three years of design and construction they were ready to unveil the craft to spectators and members of the press. The creation which was unveiled and christened last Saturday was a man-powered biplane, built by seven MIT students.

The plane was rolled-out in ceremonies held at the Draper Laboratories Flight Facility at

L.G. Hanscom Field in Bedford, Mass. Construction on the craft had been on-going in the Draper Lab hanger since February of last year, and Saturday the students, Dr. Charles S. Draper, and others watched as the two pilots climbed into the craft and pedalled it forward.

The biplane resembles the Wright brothers' original aircraft, which flew at Kitty Hawk, North Carolina in 1903, and the same pioneering spirit has kept the group working towards the prize in a competition for manpowered aircraft offered by British industrialist Henry Kremer.

The conditions for the Kremer competition state that the

first aircraft that successfully completes the one-mile figure-eight course will collect the \$24,000 in prize money. The MIT group is hoping to collect the prize money in a flight which the coordinators say will take place in another one and a half to two months.

Paul Hooper '72 explained that the exact date for the flight can not be determined in advance, due to the critical weather conditions necessary. The plane is powered by two bicyclists, and thus must be flown in extremely calm weather. In addition, since the pilot/cyclists will have to wear light clothing (due

to weight considerations), the (Please turn to page 6)

# Wellesley exchange reviewed

(Continued from page 1)

"Over a period of time, the committee has decided a lot of things that have happened," stated Alberty, adding that on some matters the Joint Committee cannot have the final word.

The Joint Committee has endorsed the renewal of the residence exchange, though, as Alberty has acknowledged, decisions on subjects of this nature are often determined by other authorities, and that at best the residence exchange could be run on a very limited basis only.

Conducted last year as a oneyear experiment, the residence exchange provided for 25 MIT students to live on the Wellesley campus, and for the same number of Wellesley students to spend the year living at MIT. Theoretically, students on the residence exchange were to take a minimum of half their courses at the host institution, though this ultimately was not always the case.

The residence exchange was not able to be continued this year because of the housing shortage that plagues MIT. Wellesley students had to be given rooms in already-precious MIT dormitory space, while MIT students on the residence exchange came from fraternities as well as dorms, and therefore would not always be creating a usable vacancy. However, a revived residence exchange was one of the housing factors taken

#### classified advertising

WANTED: A rental 3 or 4 bedroom house in Concord or nearby late April – early July. Alonso, 52 Oakvale, Berkeley, CA 94720, 415-848-2070.

ASTHMATICS – Age 18 to 30, to participate in Pulmonary Research Project. Good pay. Call 262-4200, ext. 6436.

HAD A PIECE LATELY? Gershman's Pizza (big deal) Soon in Cambridge

CONDOMINIUM IN BOSTON in 100 year old brownstone at the corner of Beacon and Dartmouth Streets. Studio with fireplace. \$16,900. Using 75% financing, monthly cost is \$200 . . before tax advantages. Call 536-3621 for an appointment.

HANDCRAFTED STRING INSTRUMENTS. Buy direct from makers at The Charlestown Workshop. Baroque, classical and folk instruments (dulcimers avail.) Custom work. The Charlestown Workshop. 241-7576, 416 Medford St., Charlestown.

MIT IS GOING TO PIZZAS! Gershman's Pizza (big deal) Soon in Cambridge

Unique service for PhD or MA candidates. Professional experienced editors work with you to prepare your thesis for acceptance by department or publisher. All topics. Personal service, pick up and delivery. Call Livia 492-3255. Anytime.

I've been typing Master's and PhD's full-time for three years (and still love it). I'd be happy to help you. 894-3406 (Weston)

20% - 50% OFF ON ALL STEREO EQUIPMENT. Stereo Components, Compacts, and TV's. All new, in factory sealed cartons. 100% guaranteed. All major brands available. Call Mike anytime, 491-7793.

OVERSEAS JOBS FOR STUDENTS – Australia, Europe, S. America, Africa. Most professions, summer or full time, expenses paid, sightseeing. Free information, write, TWR Co., Dept. F6, 2550 Telegraph Ave., Berkeley, CA 94704

into consideration in the decision to reduce the size of next year's freshman class at MIT by 150 from this year's freshman class level.

Despite the problems incurred, the residence exchange was hailed as a success by most of those involved. "I do not feel I could have experienced anywhere near my recent personal development had I remained at MIT," commented one MIT participant last spring following his year at Wellesley.

"I think it's very beneficial," Garis stated. "One of the big virtues of the program is that it appeals to some individuals who get something out of it. Students can get the experience of living at both places."

To date, there have been few mutual academic endeavors undertaken by the two schools outside the confines of the original cross-registration program. An explanation offered by the Joint Committee's report for the lack of faculty interaction is the diversity of the two schools. Members of the faculty of one school have taught at the other, and in one case a course was team-taught by faculty members from both schools. By and large, however, these have been isolated incidents which have resulted from the initiative of the individual teacher involved.

The development of involvement in extra-curricular activities on one campus by students from the other has been much more complete. Several tutoring programs for high school students from underprivileged areas are being conducted by students from both schools. Wellesley students will also be participating in the MIT Legislative Intern Program this summer, in which students work with members of the state legislature.

There has been much participation in the area of the performing arts at one school by students from the other. Furthermore, privileges to libraries and other facilities and events on one

campus have been extended to students from the other.

To a very limited degree, there has been research done jointly by students and faculty of MIT and Wellesley. The Joint Committee believes that this is an area with much more potential than that currently being utilized.

...AND I CAN LEAD YOU TO THE GOOD LIFE



## "THE SUNDRY SHOPPE" FOR ADDED INCOME NO EXPERIENCE OR SELLING REQUIRED

You will become part of a national firm, which selects men and women of ability to become part of a proven success!

WE OFFER

\*Solid growth business

\*Locations obtained by corporation

\*Complete training
\*Dependable, quality equipment
\*Vends: ALKA-SELTZER, BAYER

ASPIRIN, TUMS, ANACIN,

\*Expansion financing available WE REQUIRE:

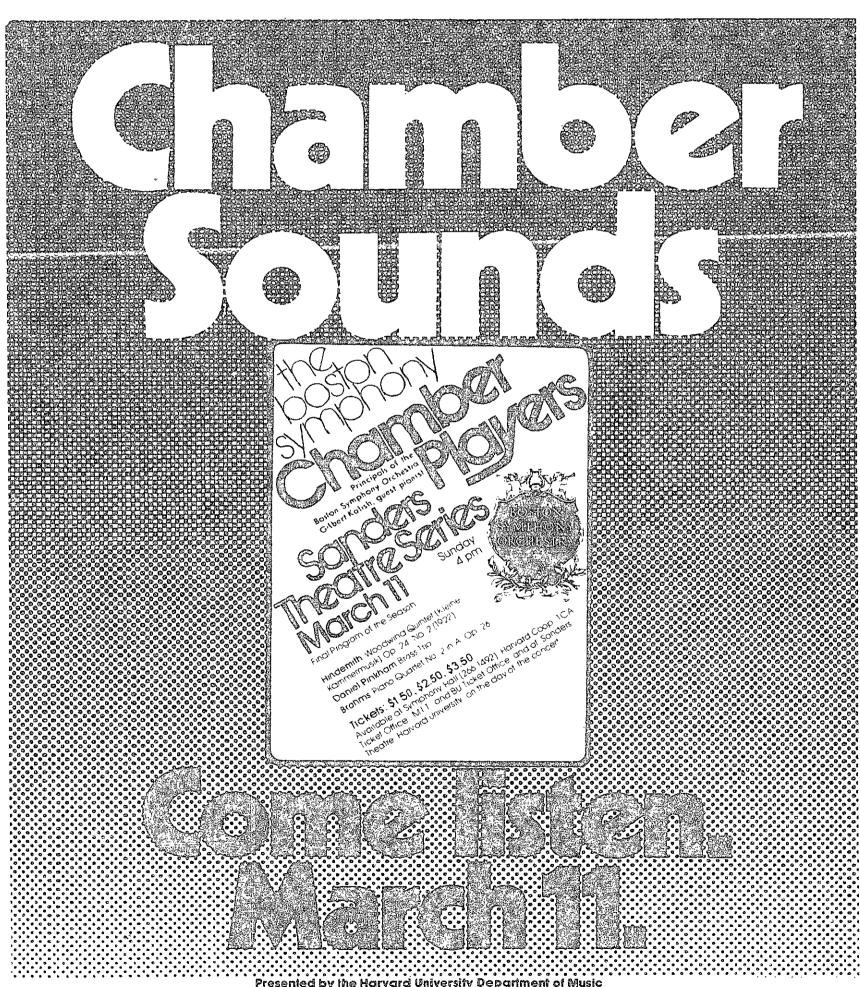
\*Desire for success

DRISTAN, etc.

\*Time to service route, 5-10 hr/wk. \*Follow proven program \*Minimum investment of \$1650.00

If you are fully qualified and can start at once, write for details. No obligation. Send name, address, and phone number to:

CREATIVE MARKETING CORP.
MARKETING DIRECTOR DEPT. L.
7821 Manchester
Maplewood, Mo. 63143



Presented by the Harvard University Department of Music and the Boston Symphony Orchestra

A limited number of rush seats at 50¢ will be available at Sanders Theatre, 1½ hours before the concert.



# More thoughts on judicial process

By Paul Schindler

Enough time has passed since the end of the whole ROTC affair. Perhaps now is the time to consider the issue of discipline away from the circus hoopla of a political trial.

The Discipline process, as you are no doubt unaware, continues to function even now. That is how it is designed to function. In normal times, it works on petty thievery, academic dishonesty, and personal attack. It works on these cases in complete privacy and dispatches them with a minimum of fuss. (Officially, the committee never announces its decisions. Obviously, the defendant may do so if she/he wishes.)

Since judicial reform is always a burning issue when everything else is burning, this reporter attempted to get comment on the process from a group of faculty who have either chaired the Discipline Committee or publicly commented in the past on its processes. Professors Elias Gyftopolous, Roy Lamson, Louis Osborne, Christopher Schafer, Campbell Searle, and Thomas Sheridan have refused to commit any comments to writing in spite of multiple requests.

The verbal comments have ranged from "I don't feel I have anything to contribute to such a discussion," to "I have said it all before." In the case of Sheridan, who did it in The Tech and Osborne and Searle, who did it in the "Searle report," (the report of the Working Group on Judicial Process to the Commission on MIT Education) there is some validity to the view. The tenures of Gyftopolous (to some extent) and Lamson (to a much larger extent) were so tumultuous that even their hesitancy can be understood. But where does that leave the community-wide discussion of discipline?

That leaves us with the Searle Report (more on that Friday) and Chancellor

Letters to

(The following two letters were distributed to all students in McCormick, apparently in preparation for a house meeting to be held in the brown living room tonight at 7:30 pm -Editor)

To the Residents of McCormick:

On Wednesday, February 21, a meeting was held in the office of the Dean for Student Affairs to discuss the problem of "men in McCormick." Present were Dean Eisenberg, Dean Browning, Dean Sorenson, Janet Markham, Linda Tufts, Joy Judell, Kay Anderson, Sue Fuhrman, and Steve and Alice Senturia.

The purpose of the meeting was to relay to the McCormick House Officers and Housemasters a strong concern throughout the Institute about habitual male guests in McCormick and their effect on the lives of the dorm residents. The enclosed letter from Dean Eisenberg to Janet Markham summarizes the nature of that concern.

It is expected that discussion, both public and private, will follow. The subject of male guests is the first item on the House Committee agenda on Tuesday. Everyone is urged to attend this meeting. In addition, a member of JudComm will be visiting your suite or floor within a week to discuss any problems, and to make you aware that the House Officers, JudComm, the tutors, and Steve and Alice are all available for confidential discussion of any problems.

Anita Horton President-elect

Steve and Alice Senturia Housemasters,

Paul Gray's remarks to the Visiting Committee for the Dean's Office last Saturday.

In response to a lengthy discussion of the Dean's role in the discipline process in general, and the ROTC occupation of last spring in particular, Gray outlined his view of the possible courses of action available to the administration during such protests.

He began by limiting his remarks to those protests which are obstructive, or violent, or both; noting for the audience that last spring's ROTC-occupation was clearly obstructive and at least slightly violent. (One campus patrolman discharged his pistol. He said he was in fear of his life.) He then asked "do people who object to administration actions understand what our alternatives are?"

Gray said there were three alternatives. The administration could ignore the action; this is considered infeasible because it does nothing to discourage

Commentary:
Peeves On
By Curtis Reeves

Student government at MIT is characterized by many groups and individuals working to better the student's lot. There is no single group that is charged with over-seeing operations, instead there are committees to handle purely student interests, and delegates to student/faculty committees who interact with teachers and staff.

But more frequently than the student/faculty committee, it is the Dean's Office that provides the interface between the faculty and administration and the student body.

From my point of view, and I believe from the point of view of many under-

The Tech

Miss Janet Markham
President, McCormick Hall

Dear Janet:

Let me set forth some of the issues we discussed with respect to permanent male "guests" in McCormick Hall. They can present serious problems for the residents who must share their room, suite and common facilities with them. This subject is so sensitive that students troubled by it often have been reluctant even to broach the matter within the House or in our office.

We therefore ask for the assistance of the House government in dealing with this matter. Permitting unassigned persons to reside in the House is (and always has been) against the rules of the Institute Houses. Moreover this situation could result in serious legal consequences for the individuals involved and for the housing system as a whole. I wish to emphasize, that the primary reason we ask you to act on this matter is not related to the Institute's rule or the law, but rather is our concern for individual students who find themselves in an uncomfortable situation with no recourse.

The inconsistent enforcement of current House rules (for example, access to the House by guests late at night) has been raised by students. We are, if you agree, prepared to assist in securing the cooperation necessary to carry out the House rules.

I realize that new House officers have been elected since our meeting, but I write you because discussion was initiated with the outgoing officers. I hope that you and the other students will discuss the matter with your successors. Our staff people from doing the same thing in the future. Another possibility is the use of outside force: its effect on the campus would be so detrimental that, while it has never been ruled out, it is considered to be the last resort. The third possibility is to allow the protest to run its course, while giving the participants an opportunity to disassociate themselves, and warning them of possible internal and external consequences.

The third alternative is, according to Gray, the most desirable, when it is followed through, "in an effort to punish those involved," for violating the basic mores of the community. Students and faculty are liable to actions in the courts externally; students are brought before the Discipline Committee and faculty are handled under their own procedures.

The problem arises, according to Gray, because of the desire on the part of the students to remain anonymous. He asks how one can "understand and react to the problem of anonymity," which de-

fines the major function of the Dean's office in such cases. The Dean and her/his staff are called on to identify students because they will not voluntarily identify themselves. "Mixing up their Thoreau and Emerson," Gray notes, they refuse individual liability for the expression of their strongly felt opinions. "If Campus Patrolmen could go around collecting ID cards, the Dean's office wouldn't have to be involved at all," he told this reporter after the meeting.

Gray makes good sense; his thoughts were confirmed by another committee member, who described MIT's efforts as "much better" than those of the University of California at Berkeley. The member, Joseph Wheelwright, told the Visiting Committee that "then and now, there is a sense of conflict between the administration on the one side and the faculty and students on the other side." The fact that MIT has avoided this conflict seemed laudable to Wheelwright. It is laudable.

the Dean's office

graduates, the Dean's Office is in a precarious situation. On the one hand, deans must try to please the students, and at the same time impose restrictions that are dictated by tradition and what is deemed to be good sense. On the other hand, deans must please a demanding administration by keeping dissatisfied students away from its door. Having been at MIT for over three years, and having had many conversations with the various deans during that time, I am convinced that trying to please both sides is often frustrating.

This, of course, leads to problems.

Among many students, there is a feeling of alienation. People had strong

will of course be happy to meet with the new officers to share our concerns and to assist in working out the solution.

Carola Eisenberg Dean for Student Affairs

To the Editor:

The story in *The Tech* of March 2, 1973 by Paul Schindler entitled "Tuition's Rising" was very interesting to me, as one who has been at MIT since 1929 and watched the persistent increase in tuition charge.

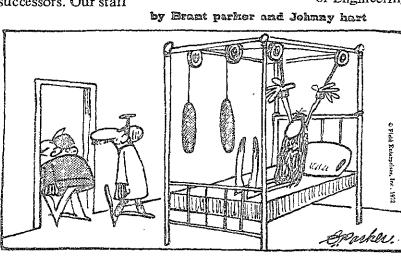
Always I have regretted the increase but each time as I related tuition to other economic indices, I concluded that MIT was really doing quite well by the student.

I graduated in 1931. Tuition then was \$500 per year, which seemed outrageous. But related to earning power after graduation it took on a different connotation. Starting salaries for most of the class of '31 were around \$110 per month, which meant that a fresh alumnus worked somewhat less than five months to earn a year's tuition.

Tuition today is \$2900. Starting salaries of S.B. graduates range upwards from \$750 per month, which says that today a fresh alumnus need work only about four months to earn a year's tuition.

Considering the vast improvement in the quality of the education offered today by comparison with what was offered in the 1930's, I believe it fair to say that in terms of the earning power of the product, the absolute cost of an education at MIT has declined steadily over the years.

Gordon S. Brown
Dugald C. Jackson Professor
of Engineering



reactions to dean's office participation in testifying against students at the ROTC hearings. It will be quite a while before students again feel that the deans are on their side.

Some feel that even if they are listened to, there is little the Dean's Office can do to help them. In the current dispute over the use of rooms for student activities, Bob Dwyer (Association for Student Activities chairman —Editor) recently said, "I don't even think Dean Eisenberg can do anything about it."

This is not to say that the Dean's Office is not concerned. However, their position vis-a-vis the administration seems to cause an undue strain on their relationship to the students. The counseling services are excellent, but often to the students it seems that the deans do not think for themselves, but only act out the wishes of the higher administrators.

Dean Eisenberg has helped to ease the tension that once pervaded the Dean's Office. But with the leaving of Dean Sorenson, many students feel left without a young, experienced person to relate to.

I do not know what plans have been made for the immediate future, but there is no doubt in my mind that to the average student the office of the Dean for Student Affairs needs time to stabilize before it can become an effective lobby for the student interests. Whatever you can do to facilitate this stabilization will be greatly appreciated. Thank you.

Continuous News Service

Volume XCIII, No. 8

8 March 6, 1973

David Tenenbaum '74; Chairman
Paul Schindler '74; Editor-in-Chief
Jack-Van Woerkom '75; Business Manager
Storm Kauffman '75; Managing Editor

Since 1881

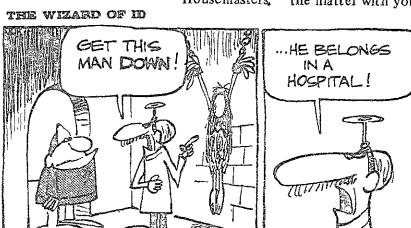
Carol McGuire '75, John Hanzel '76,
Jim Miller '76;
Night Editors
Norman Sandler '75; News Editor
Neal Vitale '75; Arts Editor
Sandra G. Yulke '74, Fred Hutchison '75;
Sports Editors
Roger Goldstein '74, David Green '75;

Photography Editors
Tim Kiorpes '72; Contributing Editor
David Gromala '74; Advertising Manager

Jon Weker '76; Associate Night Editor
Mike McNamee '76, Bob Nillson.'76,
Barb Moore '76
Associate News Editors
Mark Astolfi '73; Associate Arts Editor
Stephen Shagoury '76; Accounts Receivable

David Lee '74; Accounts Payable Robert Elkin '73; Managerial Consultant

Second class postage paid at Boston, Massachusetts. The Tech is published twice a week during the college year, except during vacations, and once during the first week of August by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts, Avenue, Cambridge, Massachusetts 02139. Telephone: (617)



The Wizard of Id appears daily and Sunday in The Boston Globe

#### Police Blotter

Police Blotter is a compilation prepared by Campus Patrol to report crimes occurring in the MIT community.

2-22-73

Larceny of a woman's purse from Sloan Building E52. Complainant left shoulder bag hanging on desk chair. The office was unattended several times between 3 pm and 5 pm. The purse was found later in the basement area minus money and credit cards.

At 3:10 am Burton dormitory patrol surprised two subjects tampering with vending machines. They ran from dorm to Memorial Drive and departed in a motor vehicle. In their flight they dropped two screw drivers and a knife. Further investigation revealed larceny of money from coin boxes in laundry room.

#### 2-23-73

Electric Dept. reports repeated larceny of light switches from Building 3-133. The total loss was \$50 plus labor costs.

Malicious damage to property. Damage to Walker Memorial third floor included a fire hose pulled from wall. Two juveniles were observed running from the area. Some other unauthorized persons in Walker gym were asked to leave.

At 10:45 pm three vehicles in Albany garage were damaged when unidentified rocks were thrown by concealed persons. There was damage done to the glass and the owners were contacted thereafter.

2-24-73

There was a call on an inebriated subject at 275 Mass. Ave. The subject was removed, but police were unable to determine his place of residence. He was transported to the Cambridge Police Sobering room to sleep it off.

Extra patrols were required at Baker House due to an unexpected influx at 9 pm of nonstudents at a dance as the result of a radio promo. Good identification control maintained by students. Outside groups numbering 40 were gradually turned away.

At 9:30 pm, annoying and accosting: male subject annoying two females attending the concert. Annoyer removed from the area and given trespass warning. Apparently the subject had mental problems.

Larceny of a wallet occurred at 10:30 pm. The wallet in question was purloined from coatroom in Kresge Auditorium. Three youths (aged 12-14) were observed in the area. The wallet minus money was found in mens' room.

2-25-73

2 am was marked by assault and battery, attempted robbery. Complainant was moving from Student Center to Baker House. He was assaulted and knocked down by six youths who attempted to take his wallet. Complainant fought group off, retained wallet, but sustained a semi-severe nose bleed. The youths ran off to Mass. Ave. The same youths had been turned away from Baker House function earlier.

2-26-73

Attempted larceny in Building 37 classroom took place at 8 pm. An attempt was made to dismantle overhead projector with the intent to steal it. The lock and hinges had been removed from the unit. The culprit apparently had been frightened off before he could complete his crime. Routine pa-

trol checks in the area have been increased.

3-21-73

Fire alarm in Building E10 went off when an overheated incinerator unit set off nearby sprinkler head.

E52 Sloan Building was the setting for an attempted robbery of cylinder from 4th floor office.

Suspicious person placed under arrest at 3 am for trespassing near Burton House. Subject defiantly disregarded previous warnings.

2-27-73

Larceny of a watch. Complainant reports that over the weekend a watch was removed from top of desk in Building E52. Another larceny of watch. Removed from unlocked locker in Dupont while former owner was taking shower.

Larceny from Dupont. A class ring and cash were removed from unlocked locker.

Break at Baker House laundry room. Eight machines damaged, coin slots removed, boxes emptied. The event occurred about 4 am.

2-28-73

Larceny from Building 20. Two ladies' wallets removed from unattended offices.

Lock cylinder stolen from Building 24 front entrance. The cylinder was later returned after tampering session.

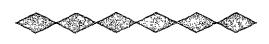
Boxes of computer cards stolen from basement of Building 24. Several boxes of blank and unattended computer cards have been disappearing from the basement of Building 24. They are presently being traced and the thieves will be caught in the near future.



# GRADUATE STUDENTS



HELP SHAPE THE FUTURE OF GRADUATE STUDENTS AT MIT ELECTIONS FOR THE GRADUATE STUDENT COUNCIL WILL BE HELD IN APRIL



REPRESENTATIVES ARE NEEDED
FROM EACH GRADUATE DEPARTMENT
AND LIVING GROUP

Deadline for Nomination Petitions:

March 16, 1973

Petition Forms may be picked up at the GSC Office, 50-110, Walker Building

For further information, call the Graduate Student Council Office, X3-2195, and ask for Toni.

# vailable to students

By Gary Cuscino

For its total efficiency, sophistication, and ease of utility, Multics (Multiplexed Information and Computing Service) ranks among the most advanced computing systems developed to date.

As pointed out by Jeff Broughton '75, member of the Student Information Processing Board (SIPB) executive committee, "Multics isn't a machine; it's a philosophy. It was designed to be a computer utility and it has come pretty close to that ideal design."

This original philosophy was conceived eight years ago, when a committee of MIT professors under the auspices of Project MAC in conjunction with General Electric, Bell Telephone, and the Advanced Research Projects Agency of the federal government set out to design an ideal time-sharing system.

The superiority of Multics is owed to several key features. First, it is endowed with a "virtual memory," which simply means the computer's memory space is practically limitless. If a program in the core is referenced, the machine will be able to use it directly, and if it is unreferenced the machine will automatically search its memory and bring it into core without the user's intervention.

Second, the system has "dynamic linking." It executes a program without any prior arrangement that it will be called and automatically "links," as it were, back to the user's program without halting execution.

Third, the system is fairly reliable in that much of the information it contains is stored on back-up tapes, so that if the system should crash, all is not. lost. Also, the user can specify exactly who he wants to have access to his file.

Users of Multics claim that utilization of its software is easier than any other system. It may be learned faster, has more powerful commands, and has the ease of being operated from a type-in terminal. It is extraordinary among other systems in that it is almost completely written (95%) in a higher level language, PL/1, instead of the usual assembler language.

Multics, however, is not without its shortcomings. "It has not yet achieved its goal of being a 24-hour-a-day computer utility available for use like electricity or water," according to Broughton. "It does not support dynamic graphics, use of fields longer than 256K [1024 words of information], is unwieldy, and tape reading isn't particularly good."

Multics will first be available commercially in 1974 on the Honeywell 6180 for a price of 5 to 7 million dollars. MIT has had its working system of Multics for two years, and the hardware, at this time, is housed in 545 Tech Square, on the third floor of the Computation Center under tight security.

When asked if the Multics system is open to students who are not already well-initiated into the use of computers, Broughton's answer was a definite yes; he said that time on Multics is available for use on "general projects, learning a language [PL/1, LISP, APL, FORTRAN, BASIC, and ALGOL], or for help in doing problem sets, can be obtained by applying directly to SIPB."

## Multics in operation, CATV stalled in Cambridge

By Charlotte Cooper

Cable television may not be installed in Cambridge for some time, judging from recent citizen protest against the surveillance capabilities of CATV.

The Cambridge Citizens Committee for Community Television, formed last fall, faults MIT for neglecting the average citizen and consulting only with city and agency residents concerning CATV. PANIC (People Against National Identity Cards), a group of Cambridge residents, believes that MIT's plans to assist in the wiring of Model Cities housing projects for cable television conceal collaboration with a Pentagon master plan to spy on and control citizens through the use of telecommunications The two groups confronted MIT representatives at a public hearing held March 1 at Cambridge City Hall.

Speaking at the hearing, Research Associate Lovell Dyettsaid that cable television can be constructed to have two-way, as well as one-way, capability. Dyett stressed that such capability is not inherent to CATV, and said that since the cable experiment in Cambridge was intended to be community-controlled, residents could create a system that would function only for their aid and enjoyment.

PANIC members attending the hearing expressed grave doubts concerning MIT's supposedly altruistic involvement in plans for Cambridge CATV. They distributed leaflets which detailed alleged government plans to employ telecommunica-

tions to create a Big Brotherstyle police state. A paper presented at the meeting by a PAN-IC member claimed that several large corporations are already researching the use of on-line computers which, by constantly monitoring home terminals. would achieve pin-point marketing through the analysis of viewing habits.

Dyett said that the hearing was "unfortunately premature," since plans for the Cambridge experiment cannot be implemented for some time. An in-depth educational program concerning the meaning, uses, and dangers of cable television would have to be conducted in the Model Cities area before residents could decide whether or not they wanted their homes wired for CATV. Only when both area citizens and the Cambridge City government vote "yes" on the question of the proposed experiment can the Model Cities Agency petition the federal government for funds.

Dyett promised to assist Model Cities in preparing their educational program. He stated that MIT had planned to act only as a

#### DALZELL MOTOR SALES 329-1100

Service - Sales - Parts European Delivery Specialists

We major in Perfect Service

Authorized Dealer

805 Providence Henr VOLVO Rte. 1. Dedham (off Rie, 128)

technical advisor in the CAT experiment and had hoped provide a small portion of t programming to be aired.

The hearing ended with the resolution that the invasion-c privacy and surveillance aspec of cable television would have a be studied more completely b fore Cambridge could decide t conduct a CATV experiment.

Speaking the Friday follow ing the hearing, Dyett said i believed the Model Cities CAT experiment would eventual! take place but that MIT's part cipation in the project would b minimal. He said that the Sun mer Study Group's plan to lin' the Washington Elms housin project to the proposed MITY system via a cable from Technol ogy Square would probably havto be abandoned since Cambridge residents protest any in terconnection with MIT.



Wetter is Better

Interested in more comfortable, longer water ested in more comfortable, longer wearing contact lenses? Then you should look into our new "Wet Lens." Or if you want, your present lenses can be "wet-processed."

Call or visit us for more information about "Wet Lenses" and our "sunscreen" U.V.C. lenses No obligation.



190 Lezington St., Waitham 894-1123

Soft Contact Lens Available

# rolls out

(Continued from page 1) plane will have to fly in reasonably warm weather.

Hooper said that the bicyclists will propel the craft forward, and the plane will be moved by the eighteen pounds of thrust from the propellor mounted on the rear of the structure.

The pilot for the plane will be Stephen Garboski, who is a professional bicyclist and a pilot. Garboski has been training for the flight trials, and has given the group financial as well as technical assistance.

Though the official roll-out ceremonies were held last Saturday, the plane is not yet completed. Prior to the ultimate flight test, there will be taxi tests (beginning within two weeks), and then handling tests and practice flights, for which small airplane engines will be used.

The structure of the plane has been designed for minimum

weight, with a fuselage of aluminum tubing, and wings and stabilizers made of balsa wood covered with polypropylene. The weight of the empty aircraft is 126 pounds, and it has a wing-span of 62 feet.

A professional ABORTION that is safe, legal & inexpensive

can be set up on an outpatient basis by calling The Problem Pregnancy **Educational Service** (215) 722-5360

24 hours - 7 days for professional, confidential and caring help.

# Bethenem Ste

Campus Interviews March 7,8

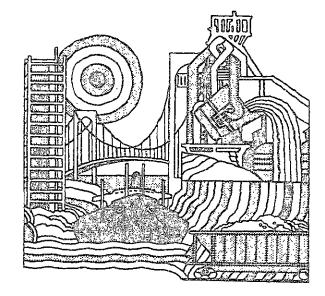
Steel is the backbone of American business and industry, and Bethlehem is our country's second-largest steel producer. And, when it comes to progressiveness, we're second to none.

If you're thinking career, think seriously about the Bethlehem Steel Loop Course. Ask your placement officer about it; see our specification sheet; pick up a copy of our booklet, "Bethlehem Steel's Loop Course," at the placement office. Most important of all, sign up for a campus interview.

Here's how you might fit in at Bethlehem Steel:

Engineering and Technical Degrees Steel Plant Operations Fabricated Steel Construction Mining Sales Research Shipbuilding

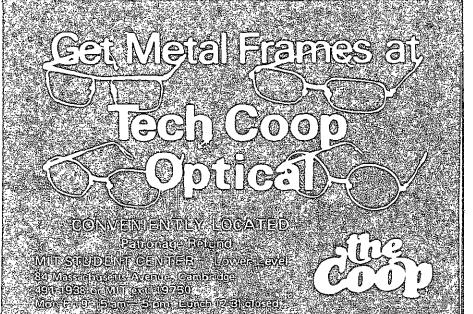
Business and Arts Degrees Sales Accounting



The Bethlehem Steel Loop Course since 1922, our program for recruiting, orienting, and training college graduates for careers in management. Talk over your career prospects with our campus representative.



An equal opportunity



## Committee views problems

(Continued from page 1) things, to a decline in commons participation. The dormitories of the future will be designed to encourage the smaller group identity process.

There was discussion of what group provided a stronger sense of identity for a student: his living group or his class. It was felt by committee members that both kinds of identity might be useful, but that there was currently very little class identity.

Harry Portnoy of the Planning Office then outlined the plans for dormitory construction in the near future, stating that a new West Campus dorm could be "on-line for the fall of 1975" if the process is begun by next month.

This time scale is contingent, Portnoy noted, on "the availability of the funding," and a "good decision process."

Based on studies of parking problems, service to students, and flexibility, the area around MacGregor, Westgate II, and Aubrey Street has been selected as an undergraduate student housing site. Current plans call for small unit construction, which can proceed based on the amount of funding on hand without waiting for the full cost of a major dorm to be raised.

Wiesner informally briefed the committee on developments at the Simplex site, which may be used at some future date for either faculty or student housing. "Commercial developers," Wiesner told the group, persistently advise trading the Simplex parcel (in tax and development terms) for a piece of land on campus; either riverfront property on Memorial Drive, or some piece of Briggs Field. "There are some things more important than money," Wiesner said, adding that the physical integrity of the campus would not be violated as long as he had something to say about it.

The President concluded by noting that there do not seem to be any viable plans for development of Simplex at this time.

Wadleigh told the Visiting Committee about the problems facing the fraternities, including the fact that contributions to their corporations are not tax deductible. In addition, they have to pay full real estate taxes. And finally, they have been buffeted organizationally by competition from improving living conditions in the dormitories, and changing social and cultural mores.

Although money cannot be given directly to the fraternities by the Institute, it can be loaned to them, and alumni can contribute to the process through the Independent Residence Fund. Long term, low interest loans are available, Wadleigh said, for rehabilitation of physical plants.

MIT's fraternity structure is unique in New England; there is no equivalent structure at Harvard, Yale or Princeton (eating clubs are not fraternities, Wadleigh insisted).

One member of the Committee, Jerome Holland, brought up the question of ethnic or cultural bias on the part of the fraternities. Another member, Joseph Wheelwright, harkened back to his days of elitist fraternity life at Harvard, but went on to note how different things are at MIT, concluding that he had been converted to supporting them and thought fraternities were "Here, and here to stay."

It was made perfectly clear that any MIT support to fraternities would include some kind of explicit prohibition against discrimination, although members of the Dean's office agreed that it was unnecessary, as discrimination is not a major problem in the MIT fraternity system.

Wadleigh concluded by noting that the federal government viewed such organizations as Student House, which bases admission on financial need, very favorably, and that money for creation of another such house might be obtained without much trouble.

The Planning Office, after some probing questions, contended that it has procedures set up to assure the visual integrity of the new buildings, through Dean Porter of the School of Architecture and outside consultants.

The afternoon session of the committee included a presentation by several students of their feelings about various student activities.

Curtis Reeves introduced the discussion and participants after a few remarks by Assistant Dean for Student Affairs Jon Hartshorne. Reeves began by outlining one student's view of the dean's office, its current function, and its proper role, a discussion which took up a great deal of time in the question and answer session later (the full statement appears on page 4).

Natalie Parks, outgoing Finance Board chairman, described the disposition of the \$70,000 that Finboard distributes each year, noting that one-third of it goes to undergraduate governments. She described the board's philosophy as "As much money to as many people as possible."

Robert Dwyer, president of the Association of Student Activities, described the role of his group as "Easing the interface between MIT and over 100 activities." In further remarks, he attributed the current "space crunch" (The Tech, March 2, page 11) to a lack of communication between the Institute and the student activities.

Other students who spoke at the meeting included Steve Wallman of SCC, Sam Denard of BSU, Paul Pangaro of Dramashop (who also spoke of MTG), and this reporter, of The Tech. All four addressed themselves to the problems and promise of their respective activities.



Dr. Paul Gray

Photo by Roger Goldstein

#### 20 CHIMMEYS

will be open for

LUNCH

Starting Feb. 26 as a two-week experiment to determine the demand for an alternative to crowded Lobdell and to provide a place with atmosphere comparable to Ashdown. If successful, it will remain open from 11:45 AM to 1 AM for the remainder of the term.



Hearings for 2 positions for FINBOARD will be held

Tuesday, March 13

at 7:30 pm

in private dining room 3

in the Student Center.

by Undergraduate Nominations Committee W20-401 X 3-2691



Dean Carola Eisenberg

Photo by Roger Goldstein

fice pinball

AT

Boston's Finest Amusement

Center

O O O O O O O O O O O

The Game Room

333 Huntington Avenue

Across from Northeastern University

BRING THIS AD FOR 25¢
FREE GAMES— COLLEGE ID REQUIRED
LIMIT 2 GAMES PER PERSON

## SPORTS

#### Gymnasts at N.E.'s: Bell, Austin excel

The MIT gymnastics team finished its season on Saturday with a disappointing performance in the New England Championships. In an attempt to place as many individuals in the finals as possible, the team competed in Division I for the first time.

It was thought that the competition was going to be similar in the two divisions, but Division I put the top five individuals from the prelims into the finals, while Division II put only three. The idea was basically correct, but it manifested itself in an unfortunate way. That is, no MT gymnast would have made the finals if the team had competed in Division II, but none made it in Division I anyway. The result was unfortunate for the team as a whole, as their 125.65 took fourth in Division I, and would have taken third in Division II, and so earned a trophy.

Two individual Tech gymnasts should be spotlighted for their performances on Saturday and during the whole season. Larry Bell '74 finished his third consecutive season as the team's high scorer, and John Austin '74 finished his second as number

two. Bell has not been in the limelight this year, as a tough schedule and tough competition from teammates limited him to three first places. His position as the most valuable on the team, though, is unquestionable as one statistic shows. In the New Englands, Bell scored a total of 41.75 on the six events, almost exactly one-third of the MIT total. And this was not even his highest of the year. He scored 42.85 against UNH. Bell's New Englands' score took ninth place, three points short of a trophy, but a great effort.

Austin came the closest of any Tech gymnast to getting into the finals. His 8.05 score on high bar held him in fifth place until the very last competitor on the event scored 8.1 to knock him out of the finals. Austin's score set a new MIT individual record for the event. Austin is the only team member to work more than two events, other than Bell, and easily took second place in team scoring.

Three Tech gymnasts finished their careers on Saturday. Dave Millman '72 threw his last ring routine, and Dennis Dubro '73 and team captain Paul Bayer '73 threw their last horse routines.



Doris Lawson '73, one of MIT's consistent high scorers, in a gameearlier this season, against Emerson College, in which she scored 19 points. In last week's win over Endicott she was a high scorer with eleven points.

Photo by Dave Green

Technology and Culture Seminar Images of Man Series

Science & Mystery
in the
Study of Human Language

Professor Noam A. Chomski, Linguistics

Respondents: Phillip Morrison, Physics Ned J. Block, Philosophy

> Wednesday, March 14 5:30 PM Rm. 9-150



Photo by Krishna Gupta

## Final IM hockey standings

	Final 1972-73 Intramural Hockey Standings					C-1 League 5 4	1 1	0 1	10 9
Team	W	L	T	Pts.	PKT Bex MacG 'B'	4	2 2	0 1	8 7
A League					TC 'B'	2	4	0	4
Ash 'A'	5	1	2	12	BTB 'B'	1	5	0	2 2
Bur 'A'	2	2 5	4	8	ATO 'B'	1	5	0	2
Bak 'A'	2 3 2	5	0	6					
TC 'A'	2	6	0	4					
						C-2 League			
	B-1 League				BTB 'A'	6	0	0	12
.Chem/Geo	5	1	0	10	EC '4W'	3 3	2	1	7
Ash 'B'	5	1	Ö	10	Con 5	3	2 2 3	1	7
SAE 'A'	4	2	ő	8	Bak 'B'	2 2	3	1	5
ME	1	<b>4</b>	1	3	EC '2W'	2	4	0	4
DU/SPE	î	4	î	3 3	Rus	J	3	2	4
TEP/BPT	ō	6	0	0	Bak 'C'	1	4	1 .	3
	B-2 League			_		C-3 League			
ZBT/PGD	6	0	0	12	TDC	6	0	0	12
CP/KS	4	1	1	9	CP 'B'	4	2 2	0	8
EC/Sr	3	3	0	6	Ash 'C'	3	2	1	7
PLP	3	3	0	6	SAE 'B'	2 2	3	1	5
LCA 'B'	1	4	1	3	MacG 'C'		4	0	4
PKS	0	6	0	0	Bur 2	0	6	0	0

#### Woman's basketball, 4-3

The women's basketball team finished off the season Tuesday night with a 41-38 win over Endicott College. The victory brought their season record to 4-3, thus giving them their second consecutive winning season.

The final game was not as close as the score might indicate. MIT led at half-time 24-16 and then continued to build up their lead to 32-16 before easing up on defense and allowing Endicott to catch up.

High scorer for the team was

Captain Ronnie Appel '73, with 24 points. Appel, playing in her last intercollegiate game, consistently hit on long jump shots despite being double-teamed throughout the second half.

The rest of the score was compiled by Doris Lawson '73, with eleven points, Joan Pendleton '76 with four and Pat Schettig '76 scored a field goal before fouling out.

Endicott was described by the MIT team as a "team of outside shooters — they would shoot and have an outside chance of getting the ball in."

With both Appel and Lawson graduating this year, the team is hoping for some good replacements to fill out the ranks. Anyone interested in joining should contact Chris Randall, x3-7946 or Chris Tracey, dl 8961.

ce, e. s postage paid at Boston, Massachusetts. *The Tech* is put during the college year, except during college vacations, are irst week in August, by *The Tech*, Room W20-483, MIT states where the Avenue, Cambridge, Massachusetts 02139 and Code 617 253-1541 or 253-2731. United States Mail subsections

# Apartment insurance, in a low-cost package.

Our single, low-cost coverage protects all your personal property, including credit cards. And not just in your apartment, but world-wide.

#### W.T. Phelan & Co.

Insurance Agency: Inc.

11 Dunster St., Harvard Square (next to the Holyoke Center). 876-0876. Representing Aetna, Travelers, Hartford.